

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("4718486").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/14 17:11
S2	16	("20030085036" "4294573" "4381175" "4603735" "4718486" "5156537" "5624249" "6007306").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 17:14
S3	15	("2080624" "2651259" "3490376" "3736072" "4373864" "4894069" "5375976" "5393202"). PN. OR ("6007306"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 17:16
S4	15	("2080624" "2651259" "3490376" "3736072" "4373864" "4894069" "5375976" "5393202"). PN. OR ("6007306"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 17:40
S5	5	("4623305" "5871340" "6007306" "6234030" "6413065").PN. OR ("7093665").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 17:41
S6	806	(166/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/09 17:48
S7	58313	"166"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01
S8	44077	multi?phase (multi adj phase) multiphase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01
S9	586105	feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01
S10	207	S7 and S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01

S11	26	("4183407" "4323122" "4593760" "4660639" "5032042" "5050676" "5076360" "5172764" "5197541" "5261765" "5332333" "5358357" "5435666" "5441365" "5560737" "5586836" "5641020" "5655852" "5709505" "5868523" "5879108" "5908267" "5961438" "Re33102"). PN. OR ("6305473"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 18:25
S12	409895	separat\$3 with ((gas with liquid) phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:25
S13	1505666	pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:25
S14	5587098	downhole wellbore well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:26
S15	428	liquid with phase with back with pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:27
S16	214	S12 and S13 and S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:27
S17	116103	"417"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:27
S18	44077	multi?phase (multi adj phase) multiphase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:28
S19	221	S18 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:28
S20	44077	multi?phase (multi adj phase) multiphase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37

S21	586105	feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37
S22	5789	S20 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37
S23	1505	S22 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37
S24	774	S23 and (((downhole wellbore) with pump) PCP ESP ((submersible submergible) with pump))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:39
S26	349128	phase with separat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:40
S27	490	S24 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:40
S28	0	("2007/0274842").URPN.	USPAT	OR	ON	2008/09/10 14:41
S29	20	("2489887" "20010011558" "20030159581" "20040099422" "20050061515" "20050145388" "20050150827" "4913630" "5044440" "5259741" "5478504" "5526684" "5624249" "5738505" "5775879" "5795135" "5871340" "6007306" "6059539" "6082452" "6135723" "6234030" "6457950" "6457950" "6651745" "6860921" "7013978"). PN.	USPAT	OR	ON	2008/09/10 14:42
S30	2	("20050002812").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:15
S31	5	("4623305" "5871340" "6007306" "6234030" "6413065").PN. OR ("7093665").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 16:15

S32	1641	((210/170.01) or (210/170.07) or (210/188)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:22
S33	65	(96/182).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:27
S34	303	(166/370).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:28
S35	4	("3029610").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:54
S36	3305	liquid adj trap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 19:48
S37	58313	"166"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 19:48
S38	25	S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 19:48
S39	2	("4718486").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:08
S40	179	gas with liquid with (multi? phase (multi adj phase) multiphase) with pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 20:31
S41	62	S40 with separat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 20:31
S42	758	((166/68.5) or (166/105.5)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:37
S43	806	(166/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:37
S44	2	("5624249").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:39

S45	9	("4684335" "4995797" "5348453").PN. OR ("5624249").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 20:40
S46	2	("6056054").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/11 09:54
S47	8	("2517198" "2748719" "3556219" "5653286" "5711374" "6228146").PN. OR ("7377314").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 10:36
S48	30	("3292703" "3995693" "4074763" "4481020" "4531584" "4632601" "4711306" "5343945" "5421408" "5431228" "5450901" "5482117" "5570744" "5698014" "5725054" "5794697" "5803178" "5937946").PN. OR ("6039116").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 13:14
S49	16	("2046769" "2119737" "3614761" "3709292" "3759324" "3782463" "3802501" "3982589" "3982591" "3982592").PN. OR ("4066123").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 14:20
S50	25	("1767879" "1828857" "2432079" "2614803" "2898866" "3261398" "3517741" "3627048" "3782463" "4066123" "4243102" "4515517" "4527632").PN. OR ("4848471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 14:24
S51	24	("2080622" "2081225" "2763281" "3260308" "3578077").PN. OR ("3709292").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 14:37
S52	9	("2080622").URPN.	USPAT	OR	ON	2008/09/11 14:44
S53	65	(phase with separat\$3) with (combined integral) with pump	USPAT	OR	ON	2008/09/11 17:44
S54	23	(cyclone hydrocyclone) with (combined integral) with pump	USPAT	OR	ON	2008/09/11 17:45

S55	19	("2250226" "3842461" "4366132" "4957512" "5021095" "5022114" "5125125" "5465455"). PN. OR ("5815881"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 17:48
S56	817	(cyclone with separat\$3) with housing	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 17:50
S57	28	(cyclone with separat\$3) with housing with pump	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 17:50
S58	928	pump with (short?circuit \$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 19:55
S59	4997	(separat\$3 cyclone hydrocyclone) with (short? circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:27
S60	132	(separat\$3 cyclone hydrocyclone) with phase with (short?circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:29
S61	2	(separat\$3 same liquid same gas) with phase with (short?circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:32
S62	10	(separat\$3 same liquid same gas) with (short? circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:34
S63	25	(separat\$3 same liquid same gas) with ((short? circuit\$2) (short adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:36
S64	58343	"166"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:28
S65	7144	booster adj pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:28
S66	121	S64 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:28
S67	4342	(screw with (plunger piston) with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:33

S68	80	S64 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:33
S69	318	(screw adj pump) with ((piston plunger) adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:34
S70	43241	"175"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:35
S71	6	(S64 S70) and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:35

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